

In the Claims

Claims 1-21 (Cancelled)

Claim 22 (currently amended): A method for controlling a leafhopper population with an insect growth regulator (IGR), said method comprising:

verifying presence of a leafhopper population having females that are in diapause;
contacting diapausing females in said leafhopper population with said IGR; and
inhibiting affecting the reproductive system of a female leafhopper while in diapause, thereby
reducing controlling said leafhopper population.

Claim 23 (currently amended): A method for controlling a leafhopper population, wherein said leafhopper population is a glassy-winged sharpshooter (*Homolodisca coagulata*) population, said method comprising:

verifying presence of females in said leafhopper population that are in diapause;
contacting diapausing females in said glassy-winged sharpshooter population with an insect growth regulator (IGR); and
inhibiting affecting the reproductive system of a female leafhopper, wherein said female leafhopper is a female glassy-winged sharpshooter, thereby reducing controlling said glassy-winged sharpshooter population.

Claim 24 (previously presented): The method of claim 22, wherein said IGR is a juvenile hormone analog.

Claim 25 (previously presented): The method of claim 24, wherein said juvenile hormone analog is selected from the group consisting of epofenonate, fenoxycarb, hydroprene, kinoprene, methoprene, pyriproxyfen, triprene, and a combination of two or more of the foregoing.

Claim 26 (previously presented): The method of claim 25, wherein said juvenile hormone analog is selected from the group consisting of methoprene, kinoprene, and hydroprene.

Claim 27 (previously presented): The method of claim 26, wherein said juvenile hormone analog is methoprene.

Claim 28 (canceled).

Claim 29 (currently amended): The method of claim 23, wherein said female glassy-winged sharpshooter is a newly ~~eclosed~~ ~~enclosed~~ adult glassy-winged female.

Claim 30 (canceled).

Claim 31 (previously presented): The method of claim 24, wherein oviposition of said female leafhopper is suppressed or eliminated.

Claim 32 (previously presented): The method of claim 24, wherein said juvenile hormone analog interferes with oviposition of said female leafhopper.

Claim 33 (previously presented): The method of claim 22, wherein said female leafhopper is a sharpshooter.

Claim 34 (previously presented): The method of claim 33, wherein said female sharpshooter is a glassy-winged sharpshooter (*Homolodisca coagulata*).

Claim 35 (previously presented): The method of claim 22, wherein said IGR is formulated in a formulation selected from the group consisting of a liquid, a spray, a dust, a granule, and an aerosol.

Claim 36 (previously presented): The method of claim 22, wherein contacting said leafhopper population is by means selected from the group consisting of spraying, dusting, and sprinkling.

Claim 37 (previously presented): The method of claim 24, wherein said juvenile hormone analog is applied to any part of a plant.

Claim 38 (previously presented): The method of claim 22, further comprising applying at least one additional pesticidal agent wherein said additional pesticidal agent is not a juvenile hormone analog.

Claim 39 (currently amended): A method for controlling a leafhopper population during diapause, said method comprising
verifying presence of females in said leafhopper population that are in diapause;
contacting diapausing females in said leafhopper population with an insect growth regulator (IGR)
during diapause, wherein said IGR inhibits ~~affects~~ oviposition of a female leafhopper to thereby
reduce control said leafhopper population.

Claim 40 (previously presented): The method of claim 39, wherein said IGR is a juvenile hormone analog.

Claim 41 (previously presented): The method of claim 39, wherein said juvenile hormone analog is selected from the group consisting of epofenonate, fenoxycarb, hydroprene, kinoprene, methoprene, pyriproxyfen, triprene, and a combination of two or more of the foregoing.

Claim 42 (previously presented): The method of claim 39, wherein said female leafhopper is a glassy-winged sharpshooter (*Homolodisca coagulata*).